



1

SEQUENCE LISTING

<110> BALLIGNAD, JEAN-LUC
FERON, OLIVIER

<120> NOVEL PHARMACEUTICAL COMPOSITIONS FOR MODULATING
ANGIOGENESIS

<130> DCLERC-2 P1

<140> 10/068,965

<141> 2002-02-11

<150> PCT/EP00/07731

<151> 2000-08-09

<150> 99870171

<151> 1999-08-09

<160> 86

<170> PatentIn Ver. 2.1

<210> 1

<211> 537

<212> DNA

<213> Homo sapiens

<400> 1

```
atgtctgggg gcaaatacgt agactcggag ggacatctct acaccgttcc catccgggaa 60
cagggcaaca tctacaagcc caacaacaag gccatggcag acgagctgag cgagaagcaa 120
gtgtacgacg cgcacaccaa ggagatcgac ctgggtcaacc gcgaccctaa acacctcaac 180
gatgacgtgg tcaagattga ctttgaagat gtgattgcag aaccagaagg gacacacagt 240
tttcacggca tttggaaggc cagcttcacc accttcactg tgacgaaata ctggttttac 300
cgcttgctgt ctgcccctct tggcatcccc atggcactca tctggggcat ttacttcgcc 360
attctctctt tctgcacat ctgggcagtt gtaccatgca ttaagagctt cctgattgag 420
attcagtgca ccagccgtgt ctattccatc tacgtccaca ccgtctgtga cccactcttt 480
gaagctgttg ggaaaatatt cagcaatgtc cgcatcaact tgcagaaaga aatataa 537
```

<210> 2

<211> 20

<212> PRT

<213> Homo sapiens

<400> 2

```
His Gly Ile Trp Lys Ala Ser Phe Thr Thr Phe Thr Val Thr Lys Tyr
  1                      5                      10                      15
```

Trp Phe Tyr Arg

<212> PRT

<213> Homo sapiens

<400> 3

Lys Ser Phe Leu Ile Glu Ile Gln Cys Thr Ser Arg Val Tyr Ser Ile
 1 5 10 15

Tyr Val His Thr Val Cys
 20

<210> 4

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<400> 4

Phe Pro Ala Ala Pro Phe Ser Gly Trp Tyr
 1 5 10

<210> 5

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Partial
 antisense sequence of human caveolin-1

<400> 5

gagtctacgt atttgcccc agacatgctg gcccgtaggct

40

<210> 6

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 6

Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 7

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 7

Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 8

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 8
 Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 9
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (?)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)..(7)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 9
 Phe Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 10
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 10
 Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 11
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (?)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)..(7)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 11
 Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 12
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 12

Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 13

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 13

Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 14

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 14
 Phe Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 15
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)..(7)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 15
 Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 16
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES

<221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 16

Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 17

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 17

Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 18

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 18

Phe Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 19

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 19

Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 20

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 20

Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 21

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 21

Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 22

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 22

Phe Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 23

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 23

Phe Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 24

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 24

Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 25

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 25

Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 26

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 26

Phe Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 27

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 27

Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 28

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 28

Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 29

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 29

Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 30

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 30

Phe Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 31

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 31

Phe Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 32

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 32

Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 33

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 33

Tyr Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 34

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 34

Tyr Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 35

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 35

Tyr Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 36

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 36

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 37

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 37

Tyr Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 38

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 38

Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 39

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 39

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 40

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 40
 Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 41
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)..(7)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 41
 Tyr Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 42
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 42

Tyr Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 43

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 43

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 44

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<400> 44

Tyr Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 45

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 45

Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 46

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 46

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 47

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 47

Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 48

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 48

Tyr Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 49

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 49

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 50

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 50

Tyr Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 51

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 51

Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 52

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 52
 Tyr Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 53
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (4)..(7)
 <223> Variable amino acid

<220>
 <221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 53
 Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 54
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Caveolin
 binding motif

<220>
 <221> MOD_RES
 <222> (2)
 <223> Variable amino acid

<220>
 <221> MOD_RES

<221> MOD_RES
 <222> (9)
 <223> Variable amino acid

<400> 54

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
1 5 10

<210> 55

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 55

Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
1 5 10

<210> 56

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

..

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 56

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 57

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 57

Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 58

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 58

Tyr Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 59

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 59

Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 60

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 60

Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 61

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 61

Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 62

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 62

Trp Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
1 5 10

<210> 63

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 63

Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
1 5 10

<210> 64

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 64

Trp Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1 5 10

<210> 65

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 65

Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 66

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 66

Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 67

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 67

Trp Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Tyr
 1 5 10

<210> 68

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 68

Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 69

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 69

Trp Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 70

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_PES

<222> (9)

<223> Variable amino acid

<400> 70

Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 71

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 71

Trp Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1 5 10

<210> 72

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 72

Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 73

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 73

Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
 1 5 10

<210> 74

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 74

Trp Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
1 5 10

<210> 75

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 75

Trp Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Phe
1 5 10

<210> 76

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 76

Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 77

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 77

Trp Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1 5 10

<210> 78

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 78

Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 79

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 79

Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 80

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

..

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 80

Trp Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
 1 5 10

<210> 81

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 81

Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 82

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

..

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 82

Trp Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
 1 5 10

<210> 83

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 83

Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 84

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 84

Trp Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1 5 10

<210> 85

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (4)..(7)

<223> Variable amino acid

<220>

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 85

Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
 1 5 10

<210> 86

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Caveolin
 binding motif

<220>

<221> MOD_RES

<222> (2)

<223> Variable amino acid

<220>

<221> MOD_RES

<221> MOD_RES

<222> (9)

<223> Variable amino acid

<400> 86

Trp	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Trp
1				5						10